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## Duke Energy Carolinas, LLC PSCSC Docket No. 2023-388-E

## SC Retail Cost of Service - Per Book - 12CP Firm, Average & Excess within Retail Beveridge Direct Exhibit No. 4

## Spread of Proposed Base Rate Increase to Customer Classes

									ergy Carolinas,								age 1 of
									ket No. 2023-3								
						SC	Retail Cost of S	ervice - Per Book	•	•	ss within Ret	ail					
								Beveridge	Direct Exhibit	No. 4							
	nths Ended Dece in Thousands	mber 20	22														
aıs	iii iiiousaiius																
ad	of Proposed Ba	se Rate	Increase to 0	Customer Class	es												
	-											Total					
		-	Present Re	venue Run - Ba	se Case	=,						Adjusted				Proposed Rate	Adjusted
				Present Rates			Gross		10.0%	Proposed Rate	Proposed Rate	Present Rates	Adjusted		Total	Increase Incl.	Proposed
		_		Revenues	Present	_	Revenues	Variance	Reduction in	Increase Before	Increase After	Revenues	Proposed	ROR at	Change in	EDIT Rider	Proposed Percent
			ualized	Excluding	Net Operating	Present	At Average	From The	Variance from	Reduction	Reduction	Including	Percent	Proposed	EDIT-1	After Reduction	Increase
	Rate Class		e Base	<u>Riders</u>	Income	ROR	ROR	Average	The Average	in Variance	in Variance	Riders	Increase	Rates	Rider	in Variance	Incl. Rider
			(A)	(B)	(C)	(D)=(C)/(A)	(E)	(F)=(B)-(E)	(G)=-(F)*10%	(H)	(I)=(H)+(G)	(J) = (V)/(T)	(K)=(I)/(J)	(L)	(M)	(N)=(I)+(M)	Incl. Rider (O)=(N)/(.
	RES	\$ 3	3,859,070	\$ 909,546	\$ 120,596	3.1%	\$ 975,280	\$ (65,734)	\$ 6,573	\$ 170,168	\$ 176,741	\$ 909,671	19.4%	6.6%	\$ (44,085)	\$ 132,657	14.6%
	GS	, ,	939,317	292,571	63,430	6.8%	263,167	29,404	(2,940)	41,420	38,479	304,225	12.6%	9.8%	(10,756)	27,724	9.1%
	LT		315,215	51,769	5,677	1.8%	62,699	(10,930)	1,093	13,900	14,993	49,470	30.3%	5.4%	(3,754)	11,238	22.7%
	1		277,331	102,581	20,204	7.3%	91,932	10,649	(1,065)	12,229	11,164	103,930	10.7%	10.3%	(3,220)	7,944	7.6%
	OPT	1	1,935,244	731,290	112,692	5.8%	694,680	36,611	(3,661)	85,336	81,675	723,443	11.3%	9.0%	(22,473)	59,202	8.2%
	SC-RETAIL	\$ 7	7,326,177	. , ,	\$ 322,598	4.4%	\$ 2,087,757	\$ 0	\$ (0)	\$ 323,052	\$ 323,052	\$ 2,090,739	15.5%	7.7%	(84,287)	\$ 238,764	11.4%
	HP		_	32,480													
	SC-RETAIL			\$ 2,120,237													
			<u> </u>	\$ 2,120,237													
			<u>=</u>	3 2,120,237													
la	ations for Rate D	esion in			Unadjusted Billi	ing Determina	nts										
la	ntions for Rate D	Oesign in			Unadjusted Billi	ing Determinar	nts.										
ıla	ations for Rate D	Oesign in			Unadjusted Billi	ing Determina	<u>nts</u>	Target Revenue	Total	Proposed			Target Revenue				
ıla	ations for Rate D	Design in			<b>Unadjusted Billi</b> Weather	ing Determinar Total	n <u>ts</u> Ratio of	Target Revenue Increase	Total Unadjusted	Proposed Percent			Target Revenue Increase for				
ıla	ations for Rate D	Propo	Order to Ap	customer Growth	Weather Normalization	Total Adjustments	Ratio of Unadjusted	Increase for Rate Design	Unadjusted Present Rates	Percent Increase			Increase for Rate Design				
ula	ntions for Rate D	Propo	Order to Ap	Customer Growth Adjustment	Weather Normalization Adjustment	Total Adjustments to Exclude	Ratio of Unadjusted Present	Increase for Rate Design (to be applied to	Unadjusted Present Rates Revenues	Percent Increase to Unadjusted	Total		Increase for Rate Design Plus Sum				
ula		Propo Inc After F	Order to Ap  osed Rate crease Reduction	Customer Growth Adjustment in Present	Weather Normalization Adjustment in Present	Total Adjustments to Exclude for Rate	Ratio of Unadjusted Present Revenues	Increase for Rate Design (to be applied to unadjusted billing	Unadjusted Present Rates Revenues Including	Percent Increase to Unadjusted Revenues for	Unadjusted	Migration	Increase for Rate Design Plus Sum of Additional				
ıla	ntions for Rate D	Propo Inc After F <u>in V</u>	Order to Ap  osed Rate crease Reduction ariance	Customer Growth Adjustment in Present Revenues	Weather Normalization Adjustment in Present <u>Revenues</u>	Total Adjustments to Exclude for Rate <u>Design</u>	Ratio of Unadjusted Present Revenues to Adjusted	Increase for Rate Design (to be applied to unadjusted billing determinants)	Unadjusted Present Rates Revenues Including <u>Riders</u>	Percent Increase to Unadjusted Revenues for Rate Design	Unadjusted EDIT Rider	Adjustment	Increase for Rate Design Plus Sum of Additional Rider Impacts				
ıla		Propo Inc After F <u>in V</u>	Order to Ap  osed Rate crease Reduction	Customer Growth Adjustment in Present	Weather Normalization Adjustment in Present	Total Adjustments to Exclude for Rate	Ratio of Unadjusted Present Revenues	Increase for Rate Design (to be applied to unadjusted billing	Unadjusted Present Rates Revenues Including	Percent Increase to Unadjusted Revenues for	Unadjusted	-	Increase for Rate Design Plus Sum of Additional				
ula		Propo Inc After F <u>in V</u>	Order to Ap  osed Rate crease Reduction ariance	Customer Growth Adjustment in Present Revenues (Q)	Weather Normalization Adjustment in Present <u>Revenues</u>	Total Adjustments to Exclude for Rate <u>Design</u>	Ratio of Unadjusted Present Revenues to Adjusted	Increase for Rate Design (to be applied to unadjusted billing determinants)	Unadjusted Present Rates Revenues Including <u>Riders</u> (V)	Percent Increase to Unadjusted Revenues for Rate Design	Unadjusted <u>EDIT Rider</u> (X)	Adjustment (Y)	Increase for Rate Design Plus Sum of Additional Rider Impacts (Z)=(U)+(X)+(Y)				
ıla	Rate Class	Propo Inc After F <u>in V</u>	Order to Ap	Customer Growth Adjustment in Present Revenues (Q)	Weather Normalization Adjustment in Present Revenues (R)	Total Adjustments to Exclude for Rate Design (S)=(Q)+(R)	Ratio of Unadjusted Present Revenues to Adjusted (T)=[(B)-(S)]/(B)	Increase for Rate Design (to be applied to unadjusted billing determinants) (U)=(P)x(T)	Unadjusted Present Rates Revenues Including <u>Riders</u> (V)	Percent Increase to Unadjusted Revenues for Rate Design (W)=(U)/(V)	Unadjusted EDIT Rider (X)	Adjustment (Y)	Increase for Rate Design Plus Sum of Additional Rider Impacts (Z)=(U)+(X)+(Y)				
ıla	Rate Class RES	Propo Inc After F <u>in V</u>	Order to Ap	Customer Growth Adjustment in Present Revenues (Q)	Weather Normalization Adjustment in Present Revenues (R)	Total Adjustments to Exclude for Rate Design (S)=(Q)+(R)	Ratio of Unadjusted Present Revenues to Adjusted (T)=[(B)-(S)]/(B)	Increase for Rate Design (to be applied to unadjusted billing determinants) (U)=(P)x(T) \$ 176,741	Unadjusted Present Rates Revenues Including Riders (V) \$ 909,671	Percent Increase to Unadjusted Revenues for Rate Design (W)=(U)/(V)	Unadjusted EDIT Rider (X) \$ (44,085)	Adjustment (Y) \$ 5,773	Increase for Rate Design Plus Sum of Additional <u>Rider Impacts</u> (Z)=(U)+(X)+(Y) \$ 138,430				
ıla	Rate Class RES GS	Propo Inc After F <u>in V</u>	Order to Ap	Customer Growth Adjustment in Present Revenues (Q)	Weather Normalization Adjustment in Present Revenues (R)	Total Adjustments to Exclude for Rate Design (S)=(Q)+(R) \$ -	Ratio of Unadjusted Present Revenues to Adjusted (T)=[(B)-(S)]/(B) 100.0% 100.0%	Increase for Rate Design (to be applied to unadjusted billing determinants) (U)=(P)x(T)  \$ 176,741 38,479	Unadjusted Present Rates Revenues Including Riders (V) \$ 909,671 304,225	Percent Increase to Unadjusted Revenues for Rate Design (W)=(U)/(V) 19.4% 12.6%	Unadjusted	Adjustment (Y) \$ 5,773 825	Increase for Rate Design Plus Sum of Additional Rider Impacts (Z)=(U)+(X)+(Y) \$ 138,430 28,549				
ula	Rate Class RES GS LT	Propo Inc After F <u>in V</u>	Order to Ap	Customer Growth Adjustment in Present Revenues (Q) \$	Weather Normalization Adjustment in Present Revenues (R)	Total Adjustments to Exclude for Rate <u>Design</u> (S)=(Q)+(R)  \$	Ratio of Unadjusted Present Revenues to Adjusted (T)=[(B)-(S)]/(B)  100.0% 100.0% 100.0%	Increase for Rate Design (to be applied to unadjusted billing determinants) (U)=(P)x(T)  \$ 176,741 38,479 14,993	Unadjusted Present Rates Revenues Including Riders (V)  \$ 909,671 304,225 49,470 103,930 723,443	Percent Increase to Unadjusted Revenues for Rate Design (W)=(U)/(V) 19.4% 12.6% 30.3%	Unadjusted <u>EDIT Rider</u> (X) \$ (44,085) (10,756) (3,754) (3,220) (22,473)	Adjustment (Y) \$ 5,773 825 - - - 5,407	Increase for Rate Design Plus Sum of Additional Rider Impacts (Z)=(U)+(X)+(Y) \$ 138,430 28,549 11,238 7,944 64,609				

## Calculations for Rate Design in Order to Apply Increase to Unadjusted Billing Determinants

											Ta	arget Revenue		Total	Proposed			Targe	et Revenue	
				C	Customer	,	Weather		Total	Ratio of		Increase		Unadjusted	Percent			Inci	rease for	
		Proposed Rate		Growth		Normalization Adjustment		Adjustments to Exclude		Unadjusted Present Revenues to Adjusted (T)=[(B)-(S)]/(B)	for Rate Design (to be applied to unadjusted billing <u>determinants)</u> (U)=(P)x(T)		Present Rates Revenues Including Riders (V)		Increase			Rate Design		
		Increase		Adjustment											to Unadjusted	Total		Plus Sum		
		After Reduction		in Present		in Present		for Rate							Revenues for	Unadjusted	Migration	of A	dditional	
	Rate Class		in Variance		Revenues		Revenues		Design						Rate Design	EDIT Rider	<u>Adjustment</u>	Rider Impacts (Z)=(U)+(X)+(Y)		
		(P)=(I)		(Q)		(R)		(S)=(Q)+(R)							(W)=(U)/(V)	(X)	(Y)			
9	RES	\$	176,741	\$	-	\$	-	\$	-	100.0%	\$	176,741	\$	909,671	19.4% \$	(44,085)	\$ 5,773	\$	138,430	
10	GS		38,479		-		-		-	100.0%		38,479		304,225	12.6%	(10,756)	825		28,549	
11	LT		14,993		-		-		-	100.0%		14,993		49,470	30.3%	(3,754)	-		11,238	
12	1		11,164		-		-		-	100.0%		11,164		103,930	10.7%	(3,220)	-		7,944	
13	OPT		81,675		-		-		-	100.0%		81,675		723,443	11.3%	(22,473)	5,407		64,609	
14	SC-RETAIL	\$	323,052	\$	-	\$	-	\$	-	0.0%	\$	323,052	\$	2,090,739	15.5% \$	(84,287)	\$ 12,005	\$	250,769	